

**Four-Phase Systems**  
The Distributed Processing Company





**FOUR-PHASE SYSTEMS, INC.**

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# You may need more than one computer function...

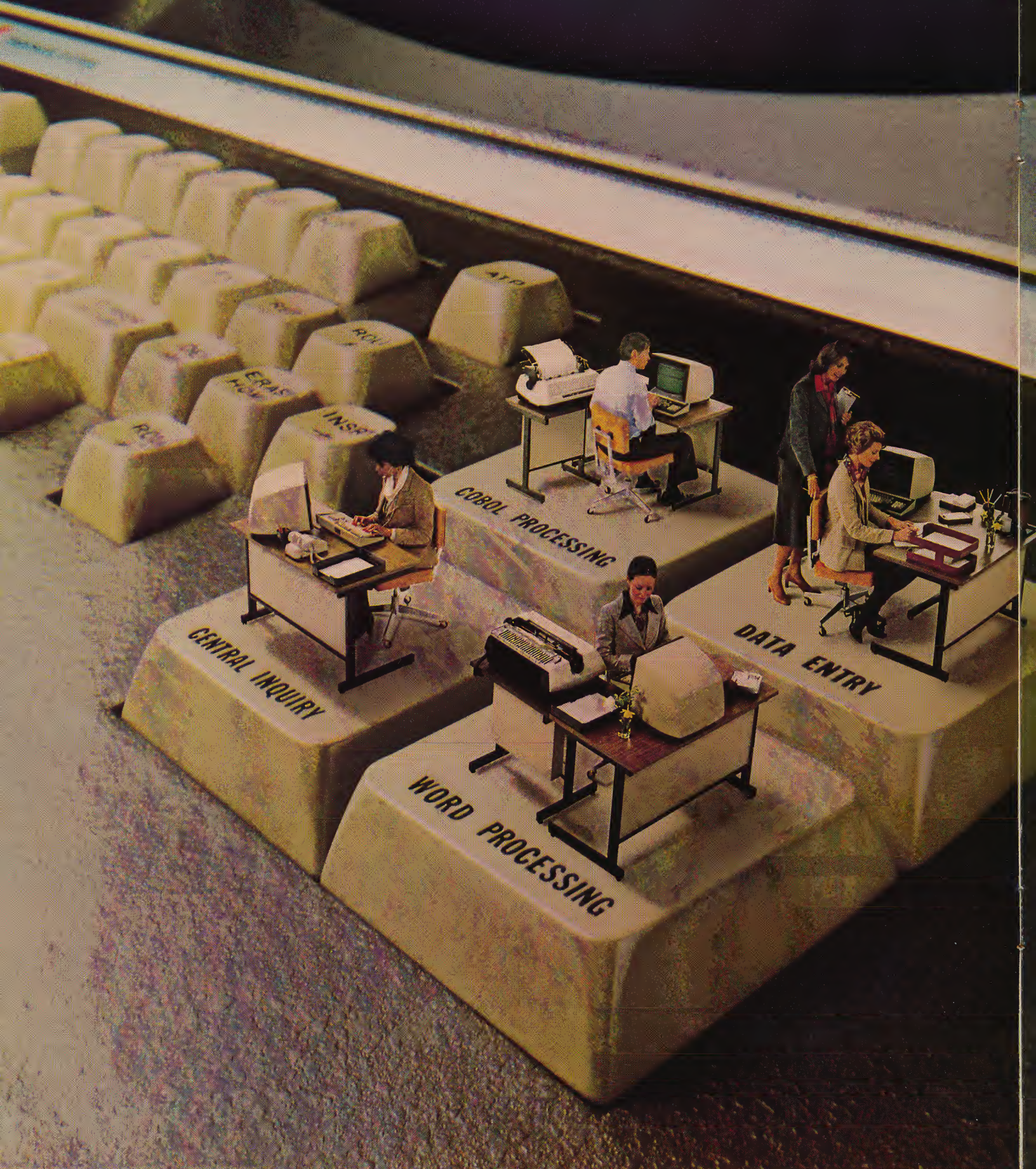


# ...but you don't need more than one computer system.

 **Four-Phase Systems**  
Multifunction Executive



50	EXTENDING CAP	765793214	EACH	12	6.55	78.00
02	EXTENDING LINKAGE	754112435	EACH	4	43.50	174.00
TOTAL					2676.30	





# You can do all four functions at the same station with our



## new Multifunction Executive.

For the first time, you can run more than one kind of application on your Four-Phase System IV/90. If you're using our DATA IV or VISION™ software already, the Multifunction Executive™ lets you add ForeWord™ word processing and standalone COBOL processing to your system. Together they give you a full complement of the primary office computer activities.

### **Save Money.**

Using a single station for several independent functions translates directly into bottom-line savings for your organization.

First of all, you should need fewer stations. You won't have single-function systems sitting idle . . . or users struggling to cross-train on dissimilar equipment.

And since a System IV/90 now supports more stations (up to 16 total) for sophisticated applications, the Multifunction Executive lets you add stations without adding expensive processors.

And if you're not paying for extra equipment, you won't have to pay for extra office space to put it in, either.

### **Save Effort.**

As the balance of your workload changes from hour to hour, shift to shift, and month

to month, your computer resources keep up with you. With the Multifunction Executive, any station can switch from one activity to another at the touch of a key.

An administrative aide using ForeWord to prepare reports and correspondence, for example, can transfer instantly to VISION and determine the status of an entered order. Or take new orders over the phone and print out an invoice on the spot.

### **Plan Your Growth.**

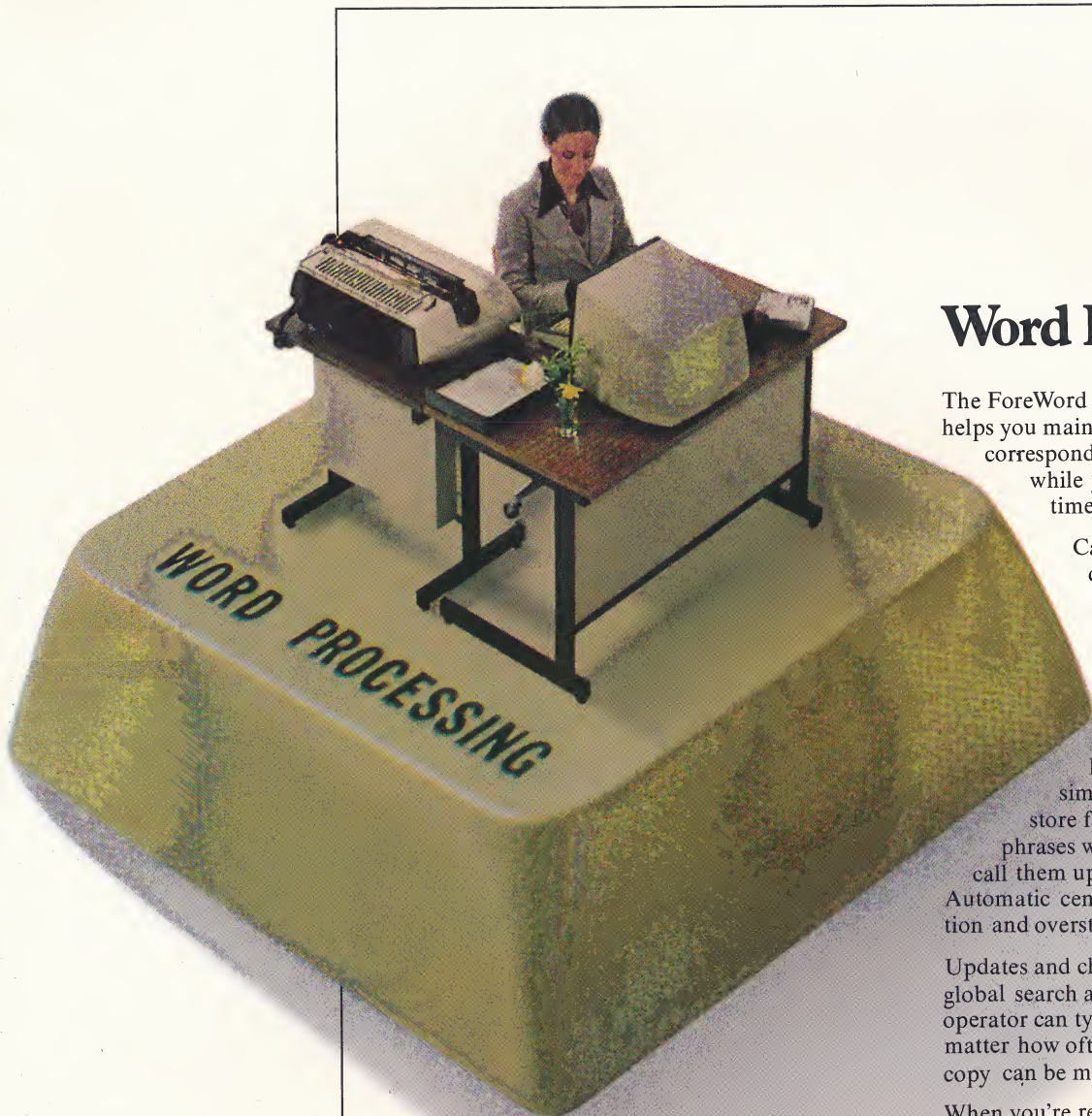
Today's solution shouldn't be tomorrow's headache. With the Multifunction Executive you have the freedom to operate your system according to your organization's needs.

To start with, each station has a 1920-character screen for overall flexibility in developing easy-to-use applications.

Your system can grow with you, too. When you're ready, additional terminals are available at a low monthly increment. Memory expansion modules and peripherals can be added at your site with little disruption of your ongoing activities. You can even install software packages as needed, increasing your functional capability a step at a time.

TM—Trademark of Four-Phase Systems, Inc.





## Word Processing

The ForeWord word processing package helps you maintain high standards in correspondence and documentation while you keep down the dollar and time cost of paperwork.

Call up ForeWord from any display station to transcribe dictation, revise a report, or write and edit directly from the keyboard. Stored documents are protected from unauthorized access by a password.

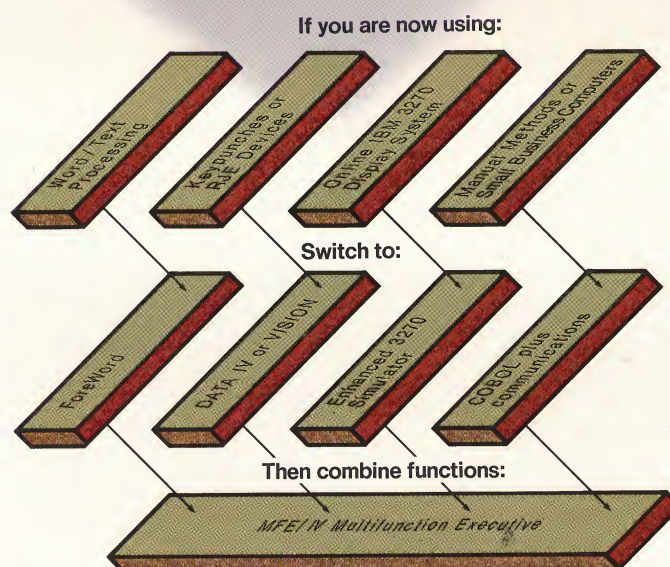
ForeWord is easy to learn and simple to use. Operators can store frequently used words or phrases within a special glossary and call them up with two keystrokes. Automatic centering, discretionary hyphenation and overstriking speed text entry.

Updates and changes are a snap. Using the global search and replace command, the operator can type a correction once—no matter how often it appears in text. Blocks of copy can be moved at will without retyping.

When you're ready to print, format the text any way you wish. Margins, tabs, line spacing, page and paragraph numbering, page headings—all can be changed at will.








You can double-space the first draft of a report for easy review and single-space the final version, adding the project name and the date to every page.

ForeWord can also transmit and receive text through communication with other computers.

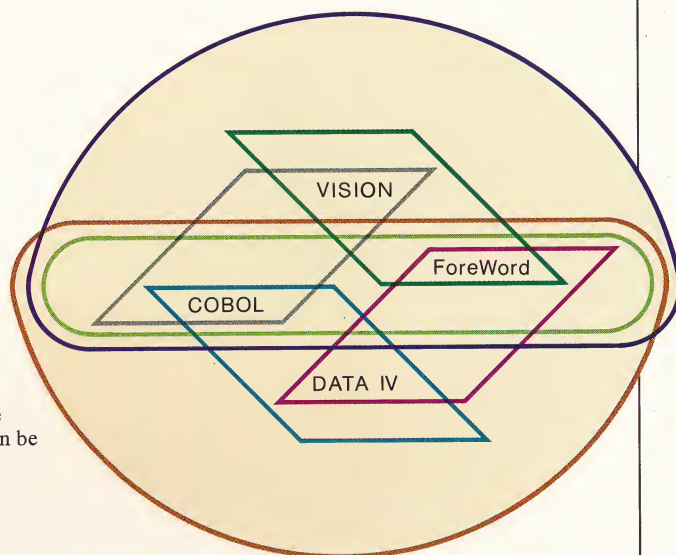




**Multifunction Executive offers these software combinations:**

1.  VISION and ForeWord
2.  VISION and COBOL
3.  VISION and ForeWord and COBOL
4.  ForeWord and COBOL
5.  DATA IV and ForeWord
6.  DATA IV and COBOL
7.  DATA IV and ForeWord and COBOL

Multifunction Executive allows Four-Phase's field-proven software packages to run on a single computer. For the utmost flexibility, packages can be installed in any order or mix. (VISION already encompasses DATA IV capabilities.)



## Central Inquiry

VISION, Four-Phase's most comprehensive single software package, adds 3270 online inquiry and extended standalone processing to local data management and source data entry.

With VISION, your System IV/90 supports distributed applications with central and local processing, central and local data bases, and both batch and inquiry communications to your central computer—in the balance just right for you.

Your operators can retrieve and use information without knowing where it was stored. If you request data that's not stored on local files, VISION can initiate an automatic 3270-style inquiry to your host computer's central data base.

In addition, each station can run an independent application that performs batch processing with online operator interaction.

Sequential files stored on disc, magnetic tape and punched cards can be processed

either transaction-by-transaction or in batch mode.

Files are updated as soon as a transaction is entered.

Using VISION's enhanced format commands for field editing and data manipulation, operators can easily produce the reports and documents you need as they go, without interrupting other processing.

Results can be output to disc, printer, screen, or tape while data entry and communications continue.







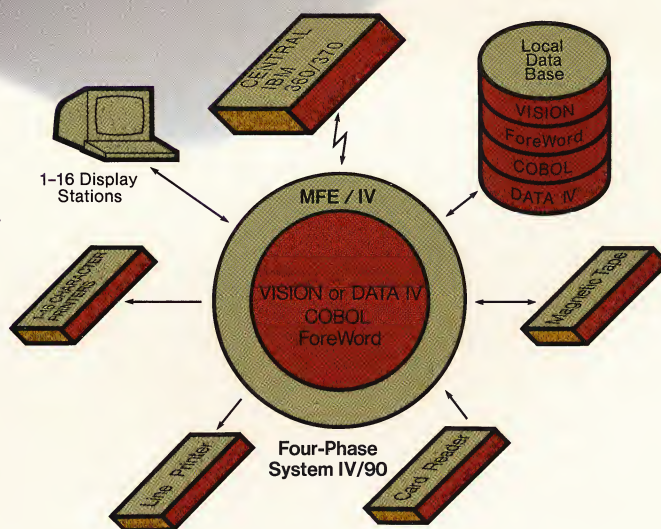
## Data Entry

The information you need to run your business originates in many forms and in many places. Four-Phase's DATA IV software lets you capture data at its source with fill-in-the-blanks formats.

But DATA IV doesn't stop there. Its editing and validation features, combined with conditional logic, are so powerful that many applications need no further processing. DATA IV supports a local data base with 1000 indexed sequential files and updates those files automatically as transactions are entered. When you need to make a business decision about inventories, for example, you have the most up-to-date information at your fingertips.

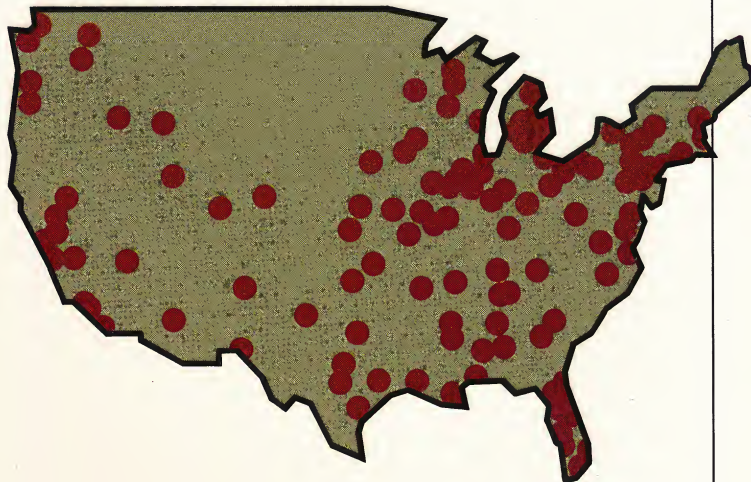
With DATA IV you can use your System IV/90 to connect your outlying branches, distribution centers and operating divisions with your central computer using 2780, 3780, or HASP multileaving line protocols. You can transmit batches during data entry or at the end of the day. Reports can be sent back to the System IV/90 for local printing.

Multifunction Executive operates on a Four-Phase System IV/90 computer, available with as much as 384K bytes of memory. Disc storage is expandable to 270 million bytes.





With the Multifunction Executive you have the added advantage of single-vendor responsibility for all your office computing needs. Four-Phase Systems is dedicated to total customer support and maintains field service offices in 85 locations nationwide. At every office, factory-trained systems engineers are available for network planning and installation, education of your staff, and continuing software support.



## COBOL Processing

With the power and flexibility of ANSI COBOL programming, you can put a station anywhere your organization needs data processed.

You can get new applications on the air quickly, without impacting existing data processing systems. Four-Phase's COBOL extensions for screen handling make interactive programs as easy to write as batch. Screen formats can be created and tested offline, using the keyboard to position prompts, headings and entry fields. Savings in development time alone can be a significant benefit to your organization.

In addition to sequential and direct file access, Four-Phase COBOL has a multikey indexed sequential access method optimized for interactive applications.

An inventory file, for example, can be searched by part number, item description, and vendor number ... up to ten secondary keys.



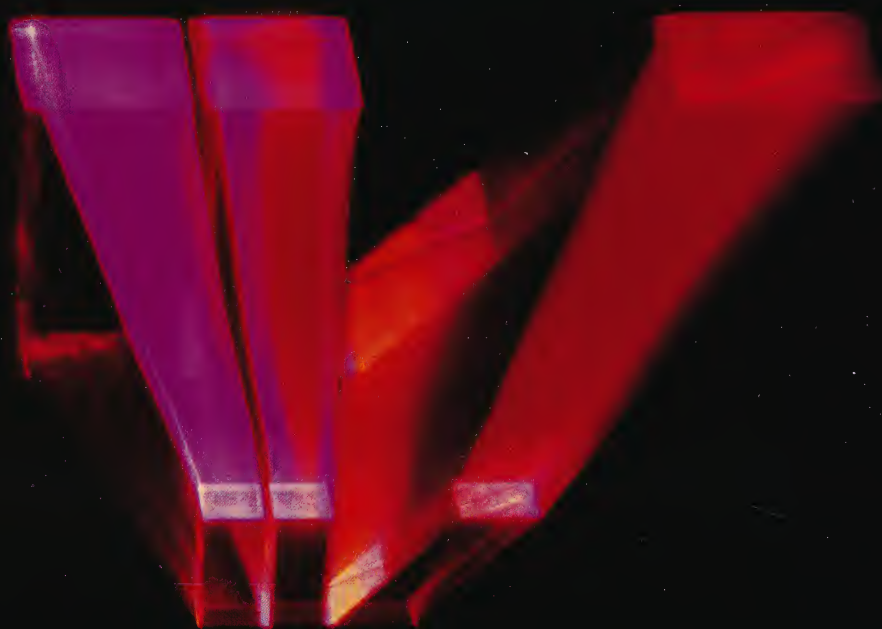
COBOL PROCESSING





**Four-Phase Systems**

**Presents the Multifunction Solution**



## **Multifunction Executive™ —the leader in multifunction systems for the 80's**

Multifunction Executive (MFE/IV™) is the standard-bearer. Announced in '78, MFE/IV has been providing the multifunction solution to companies like yours, for better than a year now. Four-Phase was the first to bring you the four primary office computing functions on a single distributed processing system. And those are the functions that make your job easier—information processing, data entry, COBOL processing, and interactive 3270 inquiry. And all four functions are accessible to you from any terminal.

### **Elegant Simplicity.**

In that year of use, we have learned what makes a multifunction system attractive. Simplicity of operation, field-proven software packages, and reliable, upwardly expandable hardware systems are the key. Multifunction Executive operation is virtually invisible to you, the user. A simple keystroke sequence initiates the transfer from one application to the next. Meaning that the multi-tasking environment you find yourself in doesn't require moving from one piece of equipment to the next. All four primary functions at any terminal, at any time, are instantly available to you. Simple start and stop commands are used to initiate and idle the applications—so simple in fact, that if the application were called MAIL, the operator would merely key "START MAIL". And all of the sophisticated monitoring and access control techniques are automatically there and working for you, every day, with every use of any terminal on the system. MFE/IV also automatically allocates its own internal resources for optimum system performance. And the field-proven software packages which have made Four-Phase the leader in distributed processing all operate concurrently and independently within the Multifunction Executive environment.

### **Bottom Line Savings.**

Multiple functions on a single terminal mean fewer terminals. And that translates to reduced costs for your company in the elimination of single-function hardware. Increased system flexibility also means fewer cross-training requirements for your office and management personnel. And now, the new Series IV/60 computer systems offer even greater cost savings than ever before to the Multifunction Executive user.

### **Growth According to Your Needs.**

Your systems should be flexible enough to allow moderation as well as bull-market growth. Four-Phase gives you this choice. Start-up operations can utilize both hardware and software systems tailored to your needs. Then, at your pace, more terminals can be added at a low monthly increment. And the Multifunction Executive grows right along with your requirements, at no cost to you, the user. Applications can be added when you and your users are ready with little disruption to on-going functions. Even additional memory and peripheral units can be added right on-site as you need them.

### **A Company with a History Behind It.**

The people at Four-Phase have been in the distributed processing business since 1969, delivering and installing a wide range of both hardware and software systems. We've totaled over 300 million operator hours on those systems—with the hard-won results of functional expertise in all the primary office operations. The benefits of these years of experience to you, the user, translate to a sophisticated marketing force who know all the in's and out's of distributed processing and multifunction implementation. It also translates to over 1,000 support and maintenance personnel providing you with individualized support and a level of expertise unique within the distributed processing industry. And that marketing and service force keeps growing and getting even better all the time.



### Office Automation Conference

March 3-5, 1980  
Georgia World Congress Center  
Atlanta, Georgia  
Four-Phase Booth #1215

#### Show Hours:

Monday	March 3, 11:00-7:00
Tuesday	March 4, 10:00-6:00
Wednesday	March 5, 10:00-4:00

Four-Phase features multifunction operation for the integrated office of today, and for tomorrow. ForeWord™ word processing joins forces with VISION™ to demonstrate the industry's most sophisticated combination of information and data processing systems. A pioneer of the multifunction approach for distributed processing applications, Four-Phase excels in its integrated systems solution for the diversified user.

Under Multifunction Executive control, on-going demonstrations illustrate the integration of information and data processing. Utilizing a "multiple regional office" concept, distinct Four-Phase systems are on-line, communicating with each other. The demonstration is initiated with the source data capture of information relating to you, the show attendee. Your name, corporate affiliation, and specific literature requests are captured on-line under VISION's transaction-oriented processing system. Automatically that information is then transferred to ForeWord's word processing text area. Multifunctionally, at the same terminal, ForeWord is now initiated with a simple keystroke sequence. Under ForeWord's control, the information is automatically merged into a "Thank You" form letter outlining your specific requests. With the touch of a key, the now-individualized letter is immediately printed in its high quality, final draft format for you.

Electronic Document Transfer is featured as the second aspect of this demonstration. Your name and your company's name, previously captured, have already been transferred to ForeWord. ForeWord now initiates the on-line electronic mailing of that information to another "regional office". The receiving office "picks" up its mail and automatically prints its regionally-integrated information—in this case, a personalized name badge which says "I've Been ForeWorded!" Short-haul modems transmitting your information utilize IBM-compatible 3780 line protocol.

#### Four-Phase Highlights:

- ☐ Direct command selection or entry from a non-mandatory work-around menu
- ☐ Assembly of text from stored text documents with fill-in fields for variable information
- ☐ Format control for document processing and automatic footnoting
- ☐ Rapid move or copy of variable length text within or between documents
- ☐ Global search with conditional or automatic replacement of a phrase
- ☐ Fully adjustable margin and tab selection stored with the document
- ☐ Password protection of documents and text areas for security
- ☐ Key Sequence Memory capability
- ☐ Electronic Document Transfer between Four-Phase and other computer systems and Four-Phase to Four-Phase

## Multifunction Executive highlights the NCC Office Automatic Conference



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